Index of Claims

Application No.

10/073,365

Examiner

Applicant(s)

BARENHOLZ ET AL.
Art Unit

Gollamudi S Kishore, Ph.D

1615

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

| Image: Color of the   | Cla      | im       | P            | <u>-</u>   |                |                    | Dat                                    | e                                      |          |              |          |     | Ck                                  | im  | 4            | `^           |               |                 | Date     | -        |              |   | ] | а              | aim |          |                   |          |          | Date         | θ                                      |                 | _        | _              |
|---|----------|----------|--------------|--|----------------|--------------------|--|--|----------|--------------|----------|-----|-------------------------------------|-----|--------------|--------------|---------------|-----------------|----------|----------|--------------|---|---|----------------|-----|----------|-------------------|----------|----------|--------------|--|-----------------|----------|----------------|
| The color of the  |          | -        | 15           | T  | Τ              | T                  | Г                                      | Γ                                      | П        | П            |          | 1   |                                     | -   | 7            | Ί            | П             |                 |          | $\Box$   | $\neg$       | Т   | 7 |                | -   |          |                   | _        |          |              |  |                 |          |                |
| 10  | ह        | 를        | 1            |  |                |                    |  | l                                      |          |              | 1        |     | 2                                   | Ë   | Γ.           | 1            |               |                 |          |          | - 1          | - 1   | ı | ā              | 릁   | l        |                   |          |          |              | 1                                      |                 | , 1      | 1              |
| 10  | ίĒ       | ጀ        | ١ì           | 1  | 1              |                    |  |  |          |              | 1        |     | Œ.                                  | ž   | V            | 1            | 1             |                 |          |          | - 1          |   |   | Œ              | Ä   | 1        |                   |          |          |              |  |                 | ı        |                |
| S   |          | Ľ        | Ľ            | $\perp$  | 丄              | L                  | L                                      |  | L        | L            | L        |     |                                     |     | L            | L            | L             | Ш               |          |          | _            | 止   | ╛ | <u></u>        | 3   | L        |                   | L        |          | Щ            |  |                 |          | _              |
| B   |          |          | 上            | 丄  | 上              | 上                  | L                                      | L                                      | _        | 1_           | Ш        | 1   | L                                   |     | Ц            | 4_           | L             |                 |          |          | _            | _   | 1 | <u></u>        |     | L.       |                   | L        | L_       | _            | _                                      | Ш               | Ш        | _              |
| 104   | <u></u>  |          | L            | ┖  | _              | 1_                 | ┖                                      | <u> </u>                               | L        | L.           |          |     | L                                   | 52  | 14           | 4_           | <u> </u>      | Ш               |          | _        | _            |   | 1 | <u></u>        |     | Ŀ        |                   | L.       | L        | L            | L                                      | Ш               | Ш        | <u> </u>       |
| The state of the  | <u></u>  | 3        | _            | _  | _              | 1                  | _                                      |  | 上        | _            |          |     |                                     | 53  |              | <u>-</u>     | _             |                 | Ц        | _        | _            |   | 1 | <u></u>        | 103 | _        | Ц                 | L.       | <u> </u> |              | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | L               |          | L              |
| \$\frac{6}{3}\$   \$\frac{106}{37}\$   \$\frac{107}{107}\$   \$\frac{1}{108}\$   \$\frac{1}{107}\$   \$\frac{1}{108}\$   \$\frac{1}{109}\$   \$\frac{1}{110}\$   \$\frac{1}{111}\$   \$\frac{1}{112}\$   \$\frac{1}{112}\$   \$\frac{1}{112}\$   \$\frac{1}{112}\$   \$\frac{1}{112}\$   \$\frac{1}{114}\$   \$\frac{1}{114}\$   \$\frac{1}{114}\$   \$\frac{1}{116}\$   \$\frac{1}{116}\$   \$\frac{1}{116}\$   \$\frac{1}{116}\$   \$\frac{1}{117}\$   \$\frac{1}{118}\$   \$\frac{1}{68}\$   \$\frac{1}{119}\$   \$\frac{1}{120}\$   \$\frac{1}{121}\$   \$\frac{1}{122}\$   \$\frac{1}{12 |          |          | 1            | ╙  | 1              | ┸                  | ╙                                      | ــــــــــــــــــــــــــــــــــــــ | ╙        | ┖            |          |     |                                     | 54  | L .          |              | L             | Ш               | Ц        | _        | _            | _   | 4 |                | 104 | <u> </u> |                   | <u> </u> | ↓_       | _            | _                                      | Ш               | Щ,       | <u> </u>       |
| A   |          |          | 1_           | ╄  | 1              | $\perp$            | ┖                                      | ╙                                      | ╄        | L            |          |     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 55  | Ľ            | <u> </u>     | ┡             | Ш               | Ц        | _        | _            | _   | 4 |                | 105 | _        |                   | <u> </u> | 匚        | L            |  | Ш               | <b></b>  | لـــا          |
| A   |          | <u> </u> | 1            | ┖  | ┺              | $oldsymbol{\perp}$ | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | L                                      | L        | L            | Ш        |     |                                     | 56  | _            | ↓_           | ┖             | Ш               | $\dashv$ | 4        | _            | 4   | 1 | <u></u>        | 106 | _        |                   | L        | _        | <u> </u>     | ╙                                      | Ш               | _        | $\sqcup$       |
| S   | <u></u>  | 1        | <b>!</b> _   | 1  | ╄              | ┺                  | ╙                                      | ┖                                      | ┺        | <b>!</b>     | L.,      |     |                                     | 57  | <b>ا</b>     | <b> </b>     | ┡             | Ш               | _        |          | 4            |   | 4 | <u> </u>       | 107 | L        | _                 | _        |          | <u> </u>     | ldash                                  | Н               | $\dashv$ | $\vdash$       |
| 10  |          |          | Ļ            | 1  | ╄-             | ↓_                 | ┺                                      | ┡                                      | <u> </u> | ⊢            | Ш        |     |                                     | 58  | V            | ┡            | <u> </u>      | Ш               | _        | _        | 4            |   | 4 |                | 108 | <u> </u> | Ш                 | <u> </u> |          | ļ            |  | Н               | $\dashv$ | <u> </u>       |
| 11  |          |          | ļ            | 1  | 4              | ↓_                 | ↓_                                     | ╙                                      | ┞        | ⊢            | Ш        |     | L                                   |     | ⊢            | ⊢            | ⊢             | Ш               | -1       | -1       | $\dashv$     | +   | 4 |                |     | щ        | Н                 | <u> </u> |          | <u> </u>     | <u> </u>                               | Ш               | $\dashv$ | щ              |
| 112   |          |          | ↓_           | ┺  | 1              | ╄                  | ┡                                      | ┡                                      | _        | <u> </u>     | Ш        |     | <b></b>                             |     | L            | _            | ╙             | Н               | $\dashv$ | -1       | 4            | -   | 4 |                | 110 | _        | Ш                 | _        | L        | <u> </u>     | <u> </u>                               | Щ               | $\dashv$ | $\vdash$       |
| 13  | Ш        |          | ┡            | 1  | 1              | ₽                  | $\vdash$                               | $\vdash$                               | $\vdash$ | -            | Н        |     | ш                                   | 61  | 1            | <b>—</b>     | <del> </del>  | Ш               | _        | _        | 4            | +   | 4 | <b>—</b>       | 111 |          | Ш                 | <u> </u> | _        | $\vdash$     | $\vdash$                               | Ы               | _        | لـــا          |
| 14  | $\vdash$ |          | -            | ╀  | ╀-             | 1-                 | -                                      | -                                      | -        | <del> </del> | $\vdash$ |     | $\vdash \vdash$                     |     | $\vdash$     | <del> </del> | <del> -</del> | Н               |          |          | -            | +   | - | $\vdash$       | 112 | Ш        | Н                 | -        | H        | <u> </u>     | Н                                      | Н               |          |                |
| 15  | $\vdash$ | 13       | ┡            | ┡  | +              | ╄                  | -                                      | ⊢                                      | -        | <del> </del> | Н        |     | $\vdash$                            |     | -            | <b> </b>     | $\vdash$      | $\vdash$        | _        | -        | -            | +   | - | $\vdash$       | 113 | -        | Н                 | <u> </u> | Н        | Н            | $\vdash$                               | $\vdash \vdash$ | _        | $\vdash\vdash$ |
| 16  | -        | 14       |              | $\vdash$   | ╀              | $\vdash$           | ├-                                     | <del>  -</del>                         | 1        | Ͱ            | Н        |     | $\vdash$                            |     |              | ├-           | ⊢             | Н               | $\dashv$ |          | -+           |   | 4 | -              | 114 |          | Н                 | -        | $\vdash$ | $\vdash$     | $\vdash$                               | $\vdash \vdash$ | _        | $\vdash$       |
| 17  |          | 10       | ⊢            | 1  | ╀              | ₩                  | ⊢                                      | ⊢                                      | $\vdash$ | -            | $\vdash$ |     | <b>  </b>                           | 66  | ┢            | -            | -             | Н               | -        | -1       | +            | +   | ┨ | $\vdash$       | 115 | $\vdash$ | Н                 |          | -        | -            | $\vdash$                               | $\vdash$        | $\dashv$ | $\vdash$       |
| 18  |          |          | +            | 1  | ╀              | ╀                  | $\vdash$                               | ⊢                                      | $\vdash$ | -            | Н        |     | $\vdash\vdash$                      |     | ┢            | -            | $\vdash$      | $\vdash \vdash$ | -        | $\dashv$ | -            | +   | - | $\vdash$       | 110 |          | $\vdash$          | -        | $\vdash$ | H            | -                                      | $\vdash$        | $\dashv$ |                |
| 19  | $\vdash$ |          | ⊢            | ⊢  | ╀              | +                  | $\vdash$                               | <del> </del>                           | ⊢        | $\vdash$     | Н        |     | $\vdash\vdash$                      |     | $\vdash$     | $\vdash$     | $\vdash$      | Н               |          | -+       | +            | +   | - | $\vdash\vdash$ |     | —        | Н                 | _        | $\vdash$ | <del> </del> | Н                                      | $\vdash$        |          | -              |
| 20  | -        |          | ┡            | ₽  | ╀              | ⊢                  | ╢                                      | ⊢                                      | ├        | ⊢            | Н        |     | H                                   |     | ⊢            | ├            | ┢             | Н               | $\dashv$ | +        | $\dashv$     | +   | ┨ | $\vdash$       |     | _        | Н                 | _        | -        | -            | $\vdash$                               | $\vdash$        | $\dashv$ | $\dashv$       |
| 21       71       121         22       72       122         23       73       123         24       74       124         25       75       125         26       76       126         27       76       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         83       83       133         34       84       134         35       85       135         36       86       136         37       137       137         38       88       139         40       90       140         41       91       141         42       92       142  | $\vdash$ |          | <del> </del> | -  | ╂-             | ┼                  | ├                                      | <del> </del> —                         | ⊢        | ⊢            | Н        |     |                                     |     | ⊢            | $\vdash$     | ⊢             | Н               |          | -+       | $\dashv$     |   | ┨ | $\vdash$       | 120 |          | Н                 |          | Н        | Н            | Н                                      | $\vdash$        | $\dashv$ | _              |
| 122   | $\vdash$ |          | ╂-           | ⊢  | ╫              | ⊢                  | ⊢                                      | ⊢                                      | -        | ⊢            | Н        |     | Н                                   |     | ┢            | ⊢            | ⊢             | Н               | -        | -+       | $\dashv$     | +   | ┨ | $\vdash$       | 120 | _        | Н                 |          | Н        | $\vdash$     | $\vdash$                               | $\vdash$        |          |                |
| 23       73       123         24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       136         36       86       136         37       137       138         39       89       139         40       91       140         42       92       142  | -        |          | -            | ┞  | ╁              | ╀                  | ┢                                      | ⊢                                      | ┢        | ⊢            | Н        |     |                                     |     | ╁            | ⊢            | -             | Н               | $\dashv$ | $\dashv$ | +            | +   | - |                | 122 |          | $\vdash$          | _        | Н        | $\vdash$     | -                                      | $\vdash$        | $\dashv$ | $\dashv$       |
| 24       74       124         25       75       125         26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       83       132         33       83       133         34       84       134         35       86       136         37       137       137         38       89       138         39       89       139         40       91       141         42       92       142  | $\vdash$ |          | ⊢            | ⊢  | ╀              | ⊢                  | ⊢                                      | $\vdash$                               | ⊢        | ├-           | Н        |     | $\vdash$                            | 73  | ⊢            | ⊢            | ⊢             | $\vdash$        | $\dashv$ | $\dashv$ | +            | +   | ┨ | Н              | 122 |          | Н                 | -        | Н        |              | $\vdash$                               | $\vdash$        | -1       | $\dashv$       |
| 25  | $\vdash$ |          | ⊢            | ⊢  | H              | ╁                  | $\vdash$                               | ┢╌                                     | ⊢        | -            | Н        |     | $\vdash$                            | 74  | ╌            | ┢            | -             | Н               | $\dashv$ | $\dashv$ | +            | +   | 1 | $\vdash$       | 124 | -        | Н                 |          | Н        |              | $\vdash$                               | -               | -        | $\dashv$       |
| 26     76       27     127       28     78       29     128       30     80       31     81       32     82       33     131       34     84       35     85       36     86       37     136       38     89       40     90       42     92   | $\vdash$ | 24       | ⊢            | ⊢  | ╁              | ┢                  | ⊢                                      | ⊢                                      | ⊢        | ⊢            | Н        |     | $\vdash\vdash$                      |     | ⊢            | ⊢            | ┝             | Н               | -        | $\dashv$ | ╅            | +   | 1 | $\vdash$       | 125 |          | $\dashv$          |          | Н        |              | Н                                      |                 | $\dashv$ | $\dashv$       |
| 127   | $\vdash$ | 26       | ╁            | ╁  | ╁              | ⊢                  | $\vdash$                               | ┢                                      | ⊢        | ┢            | Н        |     | Н                                   | 76  | ┢            | ├-           | ⊢             |                 | $\dashv$ | $\dashv$ | $\dashv$     | +   | 1 | Н              | 126 |          | $\dashv$          |          | Н        |              |  | $\dashv$        | ᅥ        | $\dashv$       |
| 28     78       29     79       30     80       31     81       32     82       33     83       34     84       35     85 √       36     46       37     136       38     89 √       40     90       42     92  | $\vdash$ | 27       | H            | ╁  | ╁              | ┢                  | -                                      | -                                      |          |              | Н        |     |                                     |     | H            | -            | $\vdash$      |                 | -        | $\dashv$ | $\dashv$     | +-  | 1 | $\vdash$       | 127 |          |                   |          | Н        |              |  | $\dashv$        | 7        | ᅥ              |
| 29     79       30     80       31     81       32     82       33     132       33     133       34     84       35     135       36     46       37     137       38     88 √       39     39       40     91       42     92   | $\vdash$ | 28       | ╁╌           | ╁  | +-             | $\vdash$           | $\vdash$                               |  | -        | -            | Н        |     | Н                                   |     | H            | Н            |               |                 | 一        | _        | -            | +   | ┨ | Н              | 128 | _        |                   |          | Н        | $\dashv$     |  | $\dashv$        | $\dashv$ | $\dashv$       |
| 30  | $\vdash$ | 29       | 1            | 一  | <del>  -</del> | 1                  | 1                                      | -                                      | ┪        | Н            | Н        |     | $\vdash$                            | 79  |              | Н            |               | $\dashv$        | 一        | $\dashv$ | 十            | +   | 1 | $\vdash$       | 129 | $\neg$   | $\vdash$          |          |          |              |  | ヿ               | $\dashv$ | $\dashv$       |
| 31  | Н        |          | ┢            | $\vdash$   | ╁              | ┢                  | 1                                      |  | ┢        |              |          |     |                                     |     | 1            |              |               | $\vdash$        | 7        | +        | +            |   | 1 | Н              | 130 | $\dashv$ |                   |          | Н        |              | $\vdash$                               | $\dashv$        | $\dashv$ | $\dashv$       |
| 32  | $\vdash$ |          | Н            | <del>                                     </del> | †=             | Н                  |  |  | Н        | Н            | Н        |     | $\vdash$                            |     | $\vdash$     |              | Н             | $\vdash$        | -1       | +        | 十            | $\dashv$  | 1 | $\Box$         | 131 | $\neg$   | $\vdash$          |          |          |              |  | 十               | $\dashv$ | $\dashv$       |
| 33  | Ш        | 32       |              | Г  | 1              |                    |  |  |          |              | Н        |     | $\vdash \vdash$                     |     |              | _            | $\vdash$      | $\Box$          | 一        | 十        | $\top$       | $\top$  | 1 | $\vdash$       | 132 | _        |                   | _        |          | Ħ            | $\Box$                                 | $\dashv$        | 1        | ᅥ              |
| 34  | $\Box$   |          | Г            | 1  | 1              |                    |  |  |          | П            | $\vdash$ |     | $\Box$                              |     | Г            | П            |               | $\dashv$        | $\dashv$ | $\neg$   | _            | $\top$  | 1 |                |     | $\neg$   |                   |          |          |              |  | $\dashv$        | $\neg$   | $\neg$         |
| 35   135   136   136   137   137   138   138   138   138   138   138   138   138   138   138   138   138   138   138   139   139   140   140   141   142  | П        | 34       | Г            | 1  |                | Г                  |  | П                                      |          | П            | П        |     |                                     | 84  | Г            |              |               | П               | $\dashv$ | 1        | $\dashv$     | 1.  | 1 |                | 134 |          |                   |          |          |              |  | $\Box$          |          | $\neg$         |
| 36  |          | 35       | Г            | Γ  |                |                    |  | П                                      | Г        | П            | П        |     |                                     | 85  | 1            |              |               |                 | $\neg$   | $\neg$   | $\neg$       | $\top$  | 1 |                | 135 |          |                   |          |          |              |  | $\neg$          | ╗        | コ              |
| 37  |          |          | Г            | Г  | Г              |                    |  | П                                      |          | П            | П        |     |                                     | 86  | Γ            | П            |               |                 | _1       |          |              |   | ] |                | 136 |          |                   |          |          |              |  |                 |          | ⊐              |
| 38   138   138   139   139   140   141   142  |          | 37       |              | Γ  |                |                    |  |  |          |              |          |     |                                     | 87  |              |              |               |                 |          |          |              |   | ] |                | 137 |          |                   |          |          |              |  |                 | J        |                |
| 39  |          | 38       |              |  |                |                    |  |  |          |              |          |     |                                     | 88  | 1            |              |               |                 |          |          | $\Box$ T     |   | ] |                | 138 |          |                   |          |          |              |  | $\Box$          | 丁        |                |
| 40  |          | 39       |              |  |                |                    |  |  |          |              |          |     |                                     | 89  |              |              |               |                 |          | ᅼ        | $\Box\Gamma$ |   | ] |                | 139 |          |                   |          |          |              |  |                 | $\Box$   |                |
| 42 92 142   |          | 40,      |              |  |                |                    |  |  |          |              |          |     |                                     | 90. |              |              |               |                 |          | $\Box$   |              | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | ] |                | 140 |          |                   |          |          |              |  | $\Box$          | $\Box$   |                |
|   |          | 41       |              |  |                |                    |  |  |          |              |          | . 1 |                                     |     |              |              |               |                 |          | $\Box$   | T            |   |   |                |     | $\Box$   |                   |          |          |              |  | $\Box$          | $\Box$   |                |
| 93 143 143  |          |          | 匚            | 匚  | $\Box$         |                    |  |  |          |              |          |     |                                     |     |              |              |               |                 |          | $\perp$  | $\perp$      |   | ] |                | 142 |          |                   |          |          |              |  | $\Box$          | $\Box$   |                |
|   |          |          |              |  | $\Box$         | $\Box$             |  |  |          |              |          | _   |                                     |     | L            |              |               |                 | $\Box$   | $\perp$  | $\perp$      |   |   | Ш              |     |          | $\Box$            |          |          |              |  | $\Box$          | $\bot$ I |                |
| 44 94 144   |          | 44       |              | 匚  | 匚              |                    |  |  |          |              | $\Box$   |     |                                     |     | $\Box$       |              |               |                 | $\Box$   | _[       | $\perp$      |   | 1 | Ш              |     |          | $oldsymbol{\bot}$ | _]       |          |              | _]                                     |                 |          |                |
| 45 95 145   |          |          | L            | L  | L.             |                    | L                                      |  | $\Box$   | Ш            | $\Box$   |     | لــــا                              | 95  | L            | Ш            | Ш             |                 |          |          | $\perp$      |   | 1 | ┸              | 145 |          |                   |          |          |              | _                                      | $\bot$          | _        |                |
| 46 96 146 146   |          |          | 匚            | Ĺ  | L              |                    |  |  |          | Ш            |          |     |                                     |     |              |              |               | $\Box$          | $\Box$   | $\perp$  |              |   | 1 | $\Box$         | 146 | _        | [                 |          |          | _            | [                                      | $\Box$          | _[       |                |
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| 48 98 148 148   | ot       |          | L.           | L  | oxdot          | $\Box$             | Ш                                      | L                                      |          | $\Box$       | Ш        |     |                                     |     | $\Box$       | Ш            |               |                 | $\perp$  | $\perp$  |              | 1   | ] | oxdot          |     |          |                   |          |          | $\Box$       | $\perp$                                | $\perp$         | _[       | $\Box$         |
| 49 / 99 149 149   | $\Box$   |          | L            |  |                | $\Box$             |  |  |          |              |          | -   |                                     |     | $oxed{\Box}$ |              |               |                 | 4        | _        | 1            |   | 1 | $oxed{oxed}$   |     | _        |                   | _]       |          | $\Box$       | _                                      |                 | _        | 凵              |
| 50 🗸  | ш        | 50       | 1            | <u> </u>   |                | Ш                  | Ш                                      | لـــا                                  | Ш        | Ш            | _        |     |                                     | 100 | ш            | Ш            | ليا           |                 | ┙        |          | ⊥            |   | ] | ш              | 150 | ┙        |                   | i        |          |              | -                                      |                 | $\perp$  |                |